









# CTA Slow Zone Update December 12, 2006

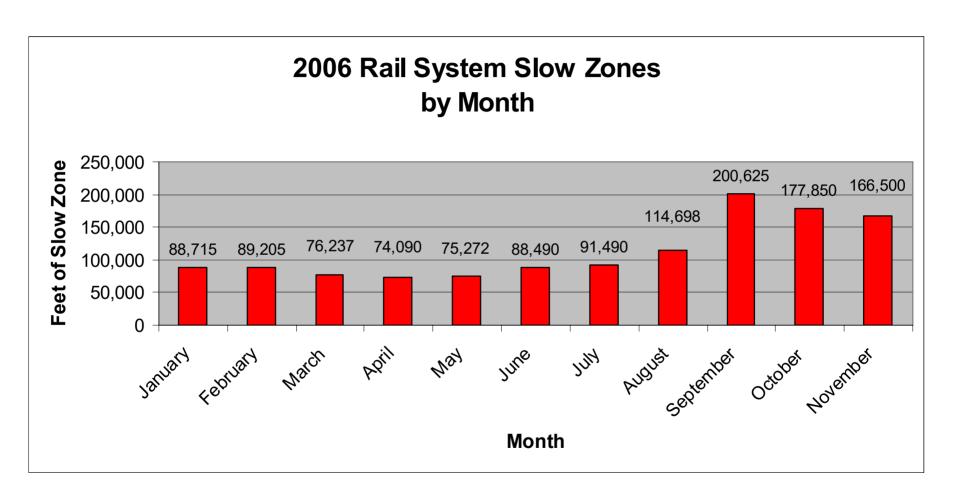


#### Rail Slow Zone Update Definition

- A "slow zone" is a specific segment of track where the speed at which the train operates is reduced due to defective track, structure, signal or traction power conditions. Also slow zones are implemented during construction.
- A "work zone" is where workers are on the tracks and are protected by flagmen from the trains. In work zones, the trains often have to stop and wait for the area to be secured and the crews to clear the trains. Work zones are not allowed during rush hours (5 am 9am, 3 pm 7pm) during the work week.

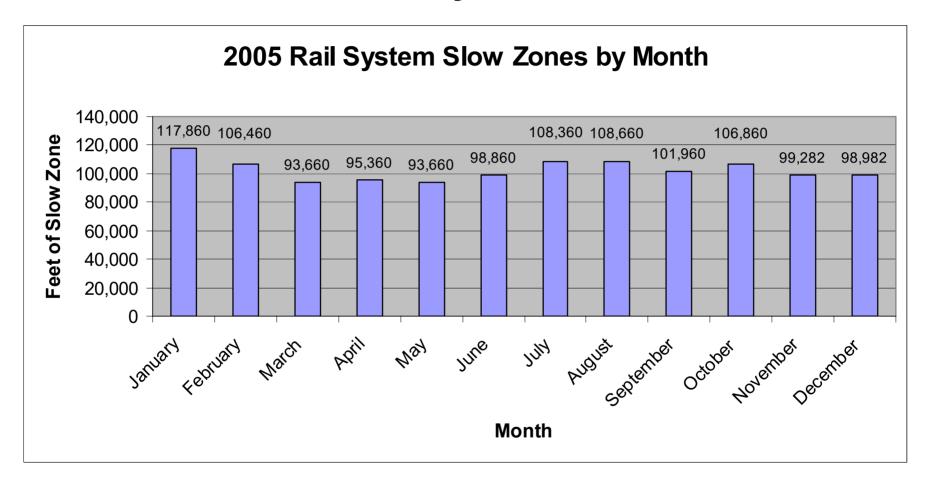


#### Rail Slow Zone Update As of November 2006



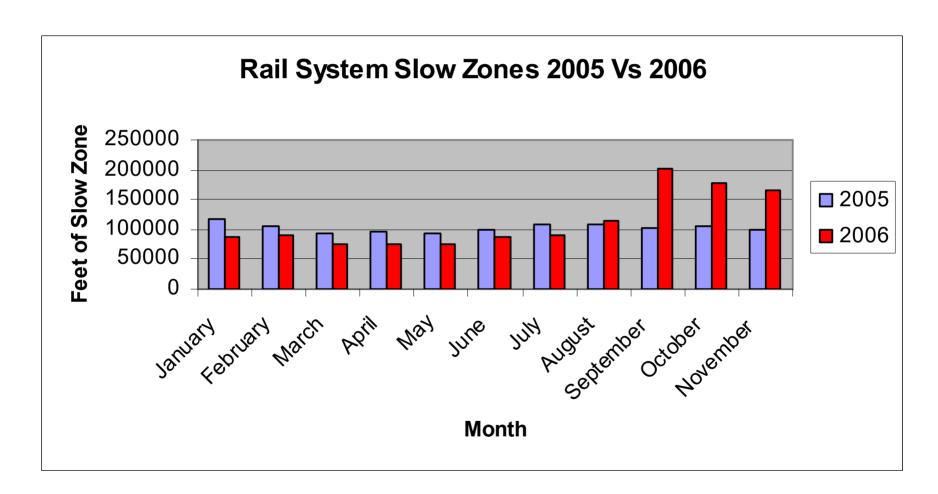


## Rail Slow Zone Update 2005 by Month





## Rail Slow Zone Update 2005 by Month





#### Rail Slow Zone Update Causes

- Defective track, structure, signal or traction power conditions can be caused by wear and tear on an aging infrastructure
- As the Rail system ages, these components cannot be successfully maintained and require complete replacements
- Extended periods of high temperatures this summer increased stress on already worn components
- Recently rehabilitated infrastructure such as the Green Line Lake Branch, Orange Line or the Pink Line have no slow zones





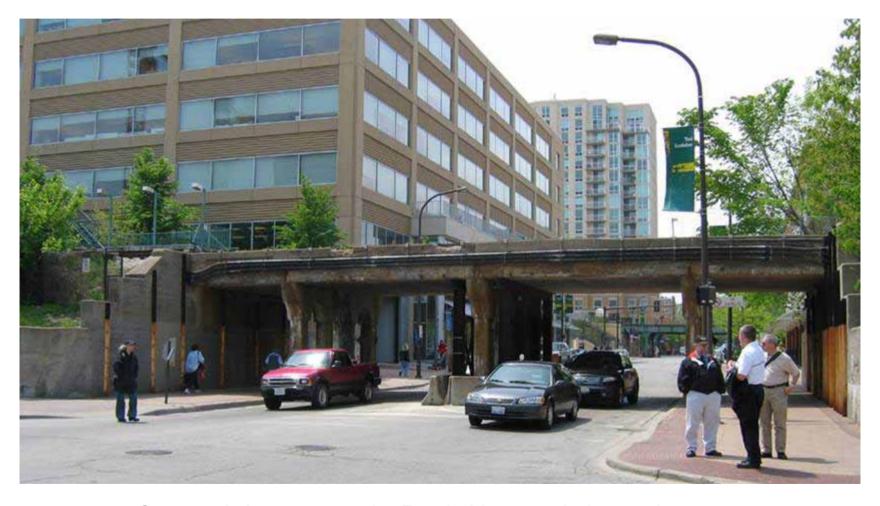
Structural slow zone on the 54<sup>th</sup>/Cermak Branch pre-rehabilitation





Same Span after construction





Structural slow zone on the Purple Line pre viaduct replacement





Church viaduct replacement









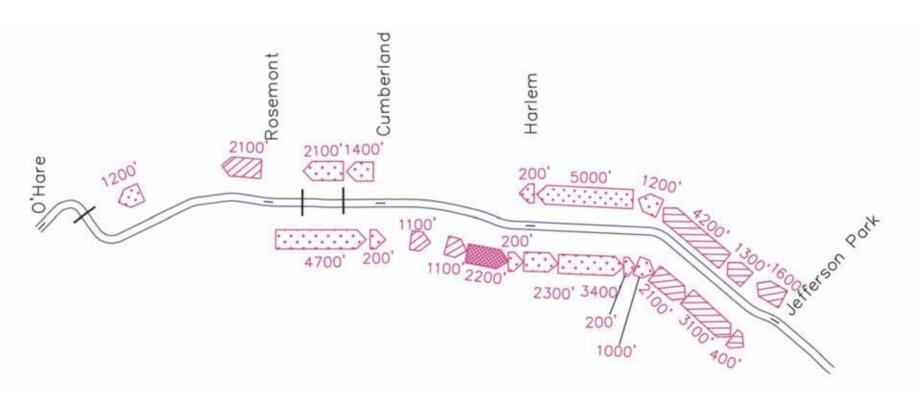
Wooden ties in good condition



New plastic ties



#### Rail Slow Zone Update Blue Line

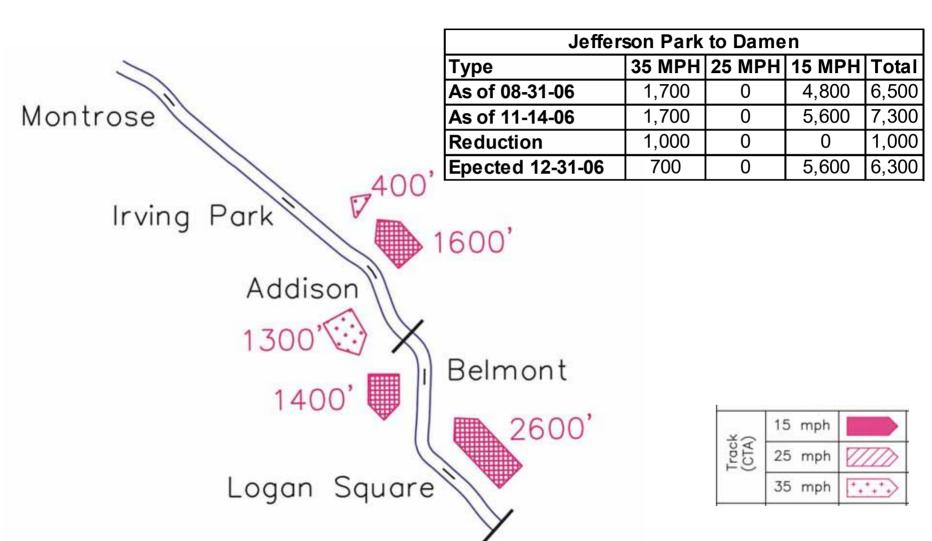


Туре	35 MPH	25 MPH	15 MPH	Total
As of 08-31-06	20,250	19,000	9,400	48,650
As of 11-14-06	23,100	17,000	2,200	42,300
Reductions	0	0	0	0
<b>Expected 12-31-06</b>	23,100	1,700	2,200	42,300

× ~	15 mph	
Trac	25 mph	7///>
	35 mph	+,+,+,>

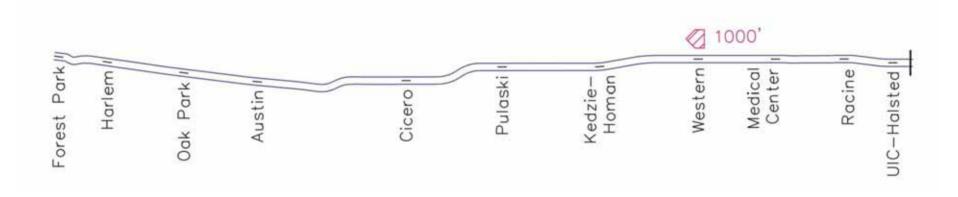


#### Rail Slow Zone Update Blue Line

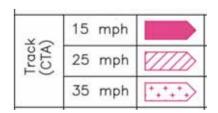




#### Rail Slow Zone Update Blue Line

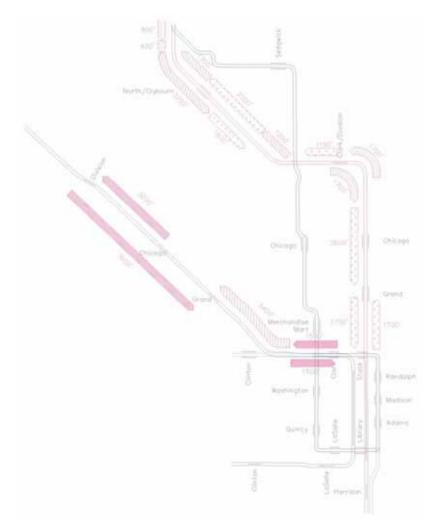


UIC Halsted to Forest Park				
Type	35 MPH	25 MPH	15 MPH	Total
As of 08-31-06	1,000	0	0	1,000
As of 11-14-06	1,000	0	0	1,000
Reduction	0	0	0	0
<b>Expected 12-31-06</b>	1,000	0	0	1,000





## Rail Slow Zone Update Subways



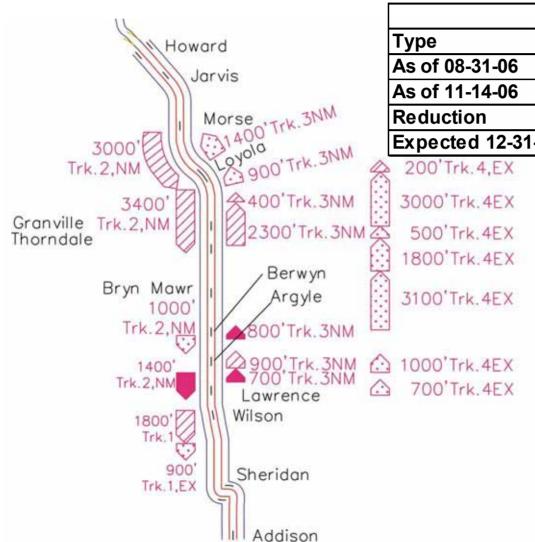
Division to LaSalle (Blue Line)				
Type	35 MPH	25 MPH	15 MPH	Total
As of 08-31-06	0	3,400	13,600	17,000
As of 11-14-06	0	3,400	13,600	17,000
Reduction	0	2,000	0	2,000
<b>Expected 12-31-06</b>	0	1,400	13,600	15,000

North/Clybou	North/Clybourn to Roosevelt (Red Line)				
Type	35 MPH	25 MPH	15 MPH	Total	
As of 08-31-06	12,200	11,600	0	23,800	
As of 11-14-06	11,200	10,300	0	21,500	
Reduction	0	0	0	0	
<b>Expected 12-31-06</b>	11,200	10,300	0	21,500	

*~	15 mph	
Trac)	25 mph	
	35 mph	+,+,+,



#### Rail Slow Zone Update Red Line



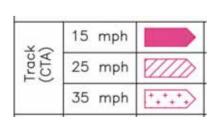
Howard to Addison				
Type	35 MPH	25 MPH	15 MPH	Total
As of 08-31-06	14,700	5,300	1,400	21,400
As of 11-14-06	14,300	12,000	2,900	29,200
Reduction	0	0	0	0
<b>Expected 12-31-06</b>	14,300	1,200	2,900	29,200

× ~	15 mph	
Trac	25 mph	7///>
	35 mph	+,+,+,



#### Rail Slow Zone Update Red Line

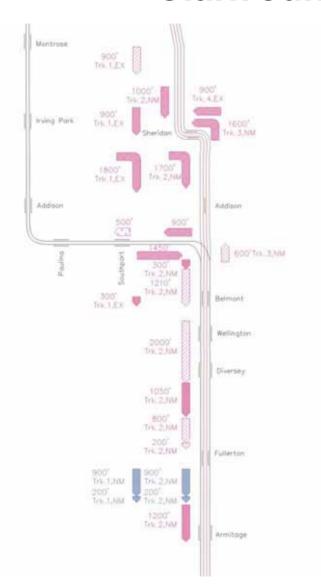
Roosevelt to 95th				
Туре	35 MPH	25 MPH	15 MPH	Total
As of 08-31-06	21,875	0	1,000	22,875
As of 11-14-06	8,200	0	0	8,200
Reduction	5,300	0	0	5,300
<b>Expected 12-31-06</b>	2,900	0	0	2,900







#### Rail Slow Zone Update Clark Junction Corridor



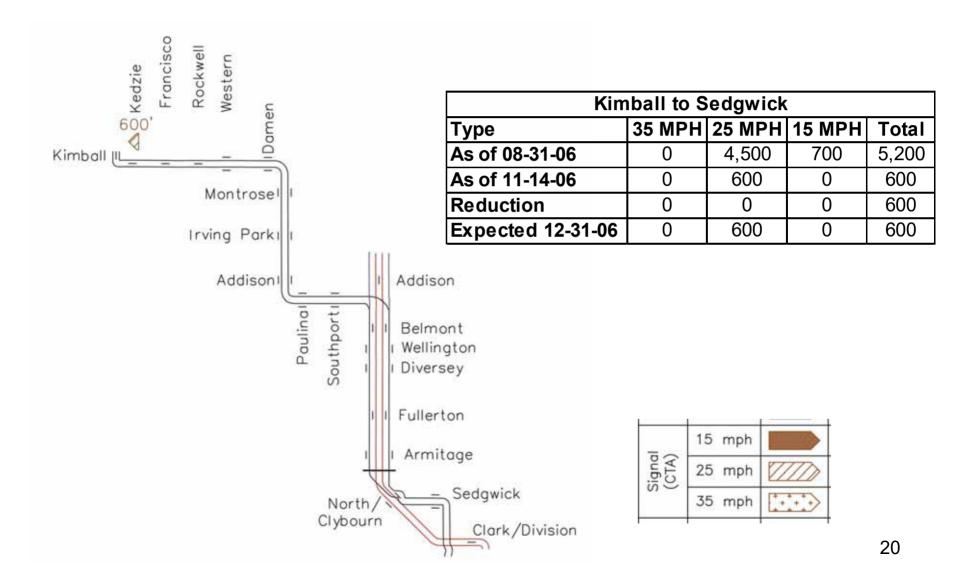
Clark Junction (Track)				
Туре	35 MPH	25 MPH	15 MPH	Total
As of 08-31-06	4,100	1,700	19,080	24,880
As of 11-14-06	0	5,710	13,100	18,810
Reduction	0	0	0	0
<b>Expected 12-31-06</b>	0	5,710	13,100	18,810

Clark Junction (Structure)				
Туре	35 MPH	25 MPH	15 MPH	Total
As of 08-31-06	200	0	1,700	1,900
As of 11-14-06	0	0	2,200	2,200
Reduction	0	0	0	0
<b>Expected 12-31-06</b>	0	0	2,200	2,200

× ~	15 mph	
Trac	25 mph	
	35 mph	+,+,+,
ē	15 mph	
ucture CTA)	25 mph	
Str	35 mph	1:11

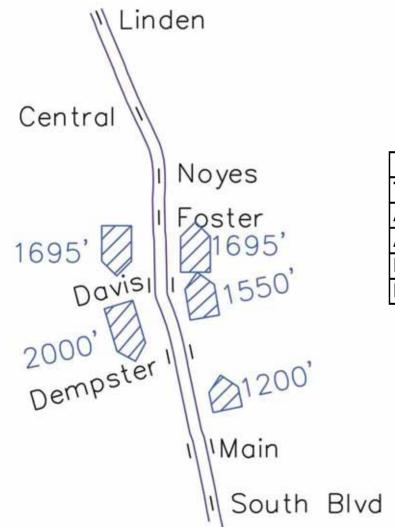


#### Rail Slow Zone Update Brown Line





## Rail Slow Zone Update Purple Line

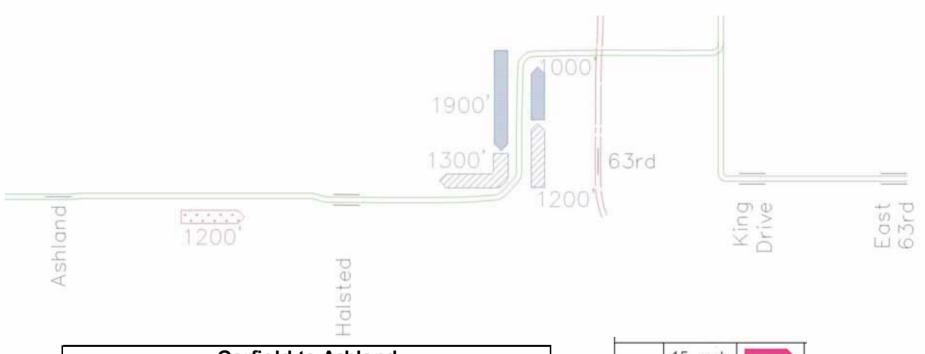


Linden to Howard						
Type 35 MPH 25 MPH 15 MPH Total						
As of 08-31-06	0	6,445	0	6,445		
As of 11-14-06	0	8,140	0	8,140		
Reduction	0	0	0	0		
<b>Expected 12-31-06</b>	0	8,140	0	8,140		

9	15 mph	
uctu	25 mph	
Str	35 mph	++++>



### Rail Slow Zone Update Green Line

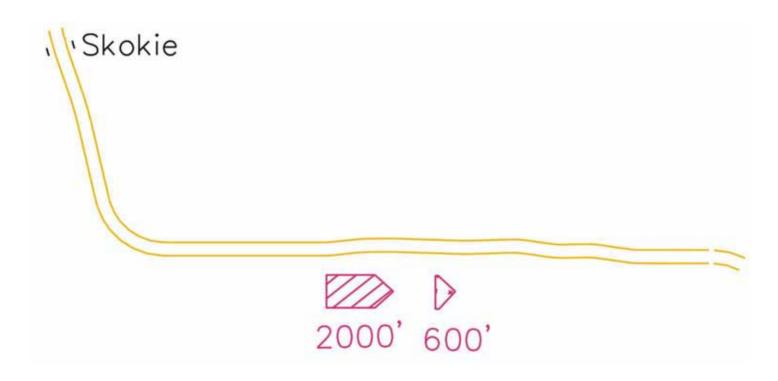


Garfield to Ashland					
Type 35 MPH 25 MPH 15 MPH Total					
As of 08-31-06	0	3,700	4,800	8,500	
As of 11-14-06	1,200	2,500	2,900	6,600	
Reduction	0	1,300	0	1,300	
<b>Expected 12-31-06</b>	1,200	1,200	2,900	5,300	

Track (CTA)	15 mph	
	25 mph	7///>
	35 mph	+,+,+,
Structure (CTA)	15 mph	
	25 mph	
	35 mph	1:::>



#### Rail Slow Zone Update Yellow Line



Skokie to Howard					
Type 35 MPH 25 MPH 15 MPH Total					
As of 08-31-06	600	2,000	0	2,600	
As of 11-14-06	600	2,000	0	2,600	
Reduction	0	0	0	0	
<b>Expected 12-31-06</b>	600	2,000	0	2,600	

Υ	15 mph	
Trac	25 mph	
1 man	35 mph	+,+,+,

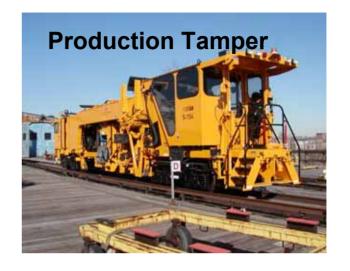


#### Rail Slow Zone Update Estimated Reductions

	As of 11-14-06	Reductions	As of 12-31-06	Percent Change
Red Line	59,760	5,300	54,460	-8.87%
Blue Line	67,600	3,000	64,600	-4.44%
Brown Line	3,450	0	3,450	0.00%
Green Line	6,600	1,300	5,300	-19.70%
Orange Line	0	0	0	0.00%
Pink Line	0	0	0	0.00%
Yellow Line	2,600	0	2,600	0.00%
<b>Purple Line</b>	25,440	0	25,440	0.00%
Total	165,450	9,600	155,850	-5.80%











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